```
   1 gcgggaggcg gacgagatgc gagcgcggcc gcggccccgg ccgctctggg cgactgtgct
  61 ggcgctgggg gcgctggcgg gcgttggcgt aggagggccc aacatctgta ccacgcgagg
 121 tgtgagctcc tgccagcagt gcctggctgt gagccccatg tgtgcctggt gctctgatga
 181 ggccctgcct ctgggctcac ctcgctgtga cctgaaggag aatctgctga aggataactg
 241 tgccccagaa tccatcgagt tcccagtgag tgaggcccga gtactagagg acaggcccct
 301 cagcgacaag ggctctggag acagctccca ggtcactcaa gtcagtcccc agaggattgc
 361 actccggctc cggccagatg attcgaagaa tttctccatc caagtgcggc aggtggagga
 421 ttaccctgtg gacatctact acttgatgga cctgtcttac tccatgaagg atgatctgtg
 481 gagcatccag aacctgggta ccaagctggc cacccagatg cgaaagctca ccagtaacct
 541 gcggattggc ttcgggggcat ttgtggacaa gcctgtgtca ccatacatgt atatctcccc
 601 accagaggcc ctcgaaaacc cctgctatga tatgaagacc acctgcttgc ccatgtttgg
 661 ctacaaacac gtgctgacgc taactgacca ggtgacccgc ttcaatgagg aagtgaagaa
 721 gcagagtgtg tcacggaacc gagatgcccc agagggtggc tttgatgcca tcatgcaggc
 781 tacagtctgt gatgaaaaga ttggctggag gaatgatgca tcccacttgc tggtgtttac
 841 cactgatgcc aagactcata tagcattgga cggaaggctg gcaggcattg tccagcctaa
 901 tgacgggcag tgtcatgttg gtagtgacaa tcattactct gcctccacta ccatggatta
 961 tccctctttg gggctgatga ctgagaagct atcccagaaa aacatcaatt tgatctttgc
1021 agtgactgaa aatgtagtca atctctatca gaactatagt gagctcatcc cagggaccac
1081 agttgggggtt ctgtccatgg attccagcaa tgtcctccag ctcattgttg atgcttatgg
1141 gaaaatccgt tctaaagtag agctggaagt gcgtgacctc cctgaagagt tgtctctatc
1201 cttcaatgcc acctgcctca caatgaggt catccctggc ctcaagtctt gtatgggact
1261 caagattgga gacacggtga gcttcagcat tgaggccaag gtgcgaggct gtccccagga
1321 gaaggagaag tcctttacca taaagcccgt gggcttcaag acagcctga tcgtccaggt
1381 cacctttgat tgtgactgtg cctgccaggc ccaagctgaa cctaatagcc atcgctgcaa
1441 caatggcaat gggacctttg agtgtggggt atgccgttgt gggcctggct ggctgggatc
1501 ccagtgtgag tgctcagagg aggactatcg cccttcccag caggacgaat gcagcccccg
1561 ggagggtcag cccgtctgca gccagcgggg cgagtgcctc tgtggtcaat gtgtctgcca
1621 cagcagtgac tttggcaaga tcacgggcaa gtactgcgag tgtgacgact tctcctgtgt
1681 ccgctacaag gggggagatgt gctcaggcca tggccagtgc agctgtgggg actgcctgtg
1741 tgactccgac tggaccggct actactgcaa ctgtaccacg cgtactgaca cctgcatgtc
1801 cagcaatggg ctgctgtgca gcggccgcgg caagtgtgaa tgtggcagct gtgtctgtat
1861 ccagccgggc tcctatgggg acacctgtga gaagtgcccc acctgcccag atgcctgcac
1921 ctttaagaaa gaatgtgtgg agtgtaagaa gtttgaccgg gagccctaca tgaccgaaaa
1981 tacctgcaac cgttactgcc gtgacgagat tgagtcagtg aaagagctta aggacactgg
2041 caaggatgca gtgaattgta cctataagaa tgaggatgac tgtgtcgtca gattccagta
2101 ctatgaagat tctagtggaa agtccatcct gtatgtggta gaagagccag agtgtcccaa
2161 gggcccctgac atcctggtgg tcctgctctc agtgatgggg gccattctgc tcattggcct
2221 tgccgccctg ctcatctgga aactcctcat caccatccac gaccgaaaag aattcgctaa
2281 atttgaggaa gaacgcgcca gagcaaaatg ggacacagcc aacaacccac tgtataaaga
2341 ggccacgtct accttcacca atatcacgta ccggggcact taatgataag cagtcatcct
2401 cagatcatta tcagcctgtg ccacgattgc aggagtccct gccatcatgt ttacagagga
2461 cagtatttgt ggggagggat ttggggctca gagtggggta ggttgggaga atgtcagtat
2521 gtggaagtgt gggtctgtgt gtgtgtatgt gggggtctgt gtgtttatgt gtgtgtgttg
2581 tgtgtgggag tgtgtaattt aaaattgtga tgtgtcctga taagctgagc tccttagcct
2641 ttgtcccaga atgcctcctg cagggattct tcctgcttag cttgagggtg actatggagc
2701 tgagcaggtg ttcttcatta cctcagtgag aagccagctt tcctcatcag gccattgtcc
2761 ctgaagagaa gggcagggct gaggcctctc attccagagg aagggacacc aagccttggc
2821 tctaccctga gttcataaat ttatggttct caggcctgac tctcagcagc tatggtagga
2881 actgctgggc ttggcagccc gggtcatctg tacctctgcc tcctttcccc tccctcaggc
2941 cgaaggagga gtcagggaga gctgaactat tagagctgcc tgtgcctttt gccatcccct
3001 caacccagct atggttctct cgcaagggaa gtccttgcaa gctaattctt tgacctgttg
3061 ggagtgagga tgtctgggcc actcaggggt cattcatggc ctgggggatg taccagcatc
3121 tcccagttca taatcacaac ccttcagatt tgccttattg gcagctctac tctggaggtt
3181 tgtttagaag aagtgtgtca cccttaggcc agcaccatct ctttacctcc taattccaca
```

Fig. 1

```
3241 ccctcactgc tgtagacatt tgctatgagc tggggatgtc tctcatgacc aaatgctttt
3301 cctcaaaggg agagagtgct attgtagagc cagaggtctg gccctatgct tccggcctcc
3361 tgtccctcat ccatagcacc tccacatacc tggccctgag ccttggtgtg ctgtatccat
3421 ccatggggct gattgtattt accttctacc tcttggctgc cttgtgaagg aattattccc
3481 atgagttggc tgggaataag tgccaggatg gaatgatggg tcagttgtat cagcacgtgt
3541 ggcctgttct tctatgggtt ggacaacctc attttaactc agtctttaat ctgagaggcc
3601 acagtgcaat tttattttat ttttctcatg atgaggtttt cttaacttaa aagaacatgt
3661 atataaacat gcttgcatta tatttgtaaa tttatgtgta tggcaaagaa ggagagcata
3721 ggaaaccaca cagacttggg cagggtacag acactcccac ttggcatcat tcacagcaag
3781 tcactggcca gtggctggat ctgtgagggg ctctctcatg atagaaggct atggggatag
3841 atgtgtggac acattggacc tttcctgagg aagagggact gttcttttgt cccagaaaag
3901 cagtggctcc attggtgttg acatacatcc aacattaaaa gccaccccca aatgcccaag
3961 aaaaaaagaa agacttatca acatttgttc catgagg
```

Fig. 1 cont.

```
   1 gcgggaggcg gacgagatgc gagcgcggcc gcggccccgg ccgctctggg cgactgtgct
  61 ggcgctgggg gcgctggcgg gcgttggcgt aggagggccc aacatctgta ccacgcgagg
 121 tgtgagctcc tgccagcagt gcctggctgt gagccccatg tgtgcctggt gctctgatga
 181 ggccctgcct ccg ggctcac tcgctgtga  cctgaaggag aatctgctga aggataactg
 241 tgccccagaa tccatcgagt tcccagtgag tgaggcccga gtactagagg acaggcccct
 301 cagcgacaag ggctctggag acagctccca ggtcactcaa gtcagtcccc agaggattgc
 361 actccggctc cggccagatg attcgaagaa tttctccatc caagtgcggc aggtggagga
 421 ttaccctgtg gacatctact acttgatgga cctgtcttac tccatgaagg atgatctgtg
 481 gagcatccag aacctgggta ccaagctggc cacccagatg cgaaagctca ccagtaacct
 541 gcggattggc ttcggggcat ttgtggacaa gcctgtgtca ccatacatgt atatctcccc
 601 accagaggcc ctcgaaaacc cctgctatga tatgaagacc acctgcttgc ccatgtttgg
 661 ctacaaacac gtgctgacgc taactgacca ggtgacccgc ttcaatgagg aagtgaagaa
 721 gcagagtgtg tcacggaacc gagatgcccc agagggtggc tttgatgcca tcatgcaggc
 781 tacagtctgt gatgaaaaga ttggctggag gaatgatgca tcccacttgc tggtgtttac
 841 cactgatgcc aagactcata tagcattgga cggaaggctg gcaggcattg tccagcctaa
 901 tgacgggcag tgtcatgttg gtagtgacaa tcattactct gcctccacta ccatggatta
 961 tccctctttg gggctgatga ctgagaagct atcccagaaa aacatcaatt tgatctttgc
 102 agtgactgaa aatgtagtca atctctatca gaactatagt gagctcatcc caggggaccac
1081 agttgggggtt ctgtccatgg attccagcaa tgtcctccag ctcattgttg atgcttatgg
1141 gaaaatccgt tctaaagtag agctggaagt gcgtgacctc cctgaagagt tgtctctatc
1201 cttcaatgcc acctgcctca acaatgaggt catccctggc ctcaagtctt gtatgggact
1261 caagattgga gacacggtga gcttcagcat tgaggccaag gtgcgaggct gtccccagga
1321 gaaggagaag tcctttacca taaagcccgt gggcttcaag gacagcctga tcgtccaggt
1381 cacctttgat tgtgactgtg cctgccaggc ccaagctgaa cctaatagcc atcgctgcaa
1441 caatggcaat gggacctttg agtgtggggt atgccgttgt gggcctggct ggctgggatc
1501 ccagtgtgag tgctcagagg aggactatcg cccttcccag caggacgaat gcagcccccg
1561 ggagggtcag cccgtctgca gccagcgggg cgagtgcctc tgtggtcaat gtgtctgcca
1621 cagcagtgac tttggcaaga tcacgggcaa gtactgcgag tgtgacgact tctcctgtgt
1681 ccgctacaag ggggagatgt gctcaggcca tggccagtgc agctgtgggg actgcctgtg
1741 tgactccgac tggaccggct actactgcaa ctgtaccacg cgtactgaca cctgcatgtc
1801 cagcaatggg ctgctgtgca gcggccgcgg caagtgtgaa tgtggcagct gtgtctgtat
1861 ccagccgggc tcctatgggg acacctgtga gaagtgcccc acctgcccag atgcctgcac
1921 ctttaagaaa gaatgtgtgg agtgtaagaa gtttgaccgg gagccctaca tgaccgaaaa
1981 tacctgcaac cgttactgcc gtgacgagat tgagtcagtg aaagagctta aggacactgg
2041 caaggatgca gtgaattgta cctataagaa tgaggatgac tgtgtcgtca gattccagta
2101 ctatgaagat tctagtggaa agtccatcct gtatgtggta gaagagccag agtgtcccaa
2161 gggccctgac atcctggtgg tcctgctctc agtgatgggg gccattctgc tcattggcct
2221 tgccgccctg ctcatctgga aactcctcat caccatccac gaccgaaaag aattcgctaa
2281 atttgaggaa gaacgcgcca gagcaaaatg ggacacagcc aacaacccac tgtataaaga
2341 ggccacgtct accttcacca atatcacgta ccggggcact taatgataag cagtcatcct
2401 cagatcatta tcagcctgtg ccacgattgc aggagtccct gccatcatgt ttacagagga
2461 cagtatttgt ggggagggat ttggggctca gagtgggggta ggttgggaga atgtcagtat
2521 gtggaagtgt gggtctgtgt gtgtgtatgt gggggtctgt gtgtttatgt gtgtgtgttg
2581 tgtgtgggag tgtgtaattt aaaattgtga tgtgtcctga taagctgagc tccttagcct
2641 ttgtcccaga atgcctcctg cagggattct tcctgcttag cttgagggtg actatggagc
2701 tgagcaggtg ttcttcatta cctcagtgag aagccagctt tcctcatcag gccattgtcc
2761 ctgaagagaa gggcagggct gaggcctctc attccagagg aagggacacc aagccttggc
2821 tctaccctga gttcataaat ttatggttct caggcctgac tctcagcagc tatggtagga
2881 actgctgggc ttggcagccc gggtcatctg tacctctgcc tcctttcccc tccctcaggc
2941 cgaaggagga gtcagggaga gctgaactat tagagctgcc tgtgcctttt gccatcccct
3001 caacccagct atggttctct cgcaagggaa gtccttgcaa gctaattctt tgacctgttg
3061 ggagtgagga tgtctgggcc actcaggggt cattcatggc ctgggggatg taccagcatc
3121 tcccagttca taatcacaac ccttcagatt tgccttattg gcagctctac tctggaggtt
3181 tgtttagaag aagtgtgtca cccttaggcc agcaccatct ctttacctcc taattccaca
```

Fig. 2

```
3241 ccctcactgc tgtagacatt tgctatgagc tggggatgtc tctcatgacc aaatgctttt
3301 cctcaaaggg agagagtgct attgtagagc cagaggtctg gccctatgct tccggcctcc
3361 tgtccctcat ccatagcacc tccacatacc tggccctgag ccttggtgtg ctgtatccat
3421 ccatggggct gattgtattt accttctacc tcttggctgc cttgtgaagg aattattccc
3481 atgagttggc tgggaataag tgccaggatg gaatgatggg tcagttgtat cagcacgtgt
3541 ggcctgttct tctatgggtt ggacaacctc attttaactc agtctttaat ctgagaggcc
3601 acagtgcaat tttattttat ttttctcatg atgaggtttt cttaacttaa aagaacatgt
3661 atataaacat gcttgcatta tatttgtaaa tttatgtgta tggcaaagaa ggagagcata
3721 ggaaaccaca cagacttggg cagggtacag acactcccac ttggcatcat tcacagcaag
3781 tcactggcca gtggctggat ctgtgagggg ctctctcatg atagaaggct atggggatag
3841 atgtgtggac acattggacc tttcctgagg aagagggact gttcttttgt cccagaaaag
3901 cagtggctcc attggtgttg acatacatcc aacattaaaa gccaccccca aatgcccaag
3961 aaaaaaagaa agacttatca acatttgttc catgagg
```

Fig. 2 cont.

```
  1 MRARPRPRPL WVTVLALGAL AGVGVGGPNI CTTRGVSSCQ QCLAVSPMCA WCSDEALPLG  60
 61 SPRCDLKENL LKDNCAPESI EFPVSEARVL EDRPLSDKGS GDSSQVTQVS PQRIALRLRP 120
121 DDSKNFSIQV RQVEDYPVDI YYLMDLSYSM KDDLWSIQNL GTKLATQMRK LTSNLRIGFG 180
181 AFVDKPVSPY MYISPPEALE NPCYDMKTTC LPMFGYKHVL TLTDQVTRFN EEVKKQSVSR 240
241 NRDAPEGGFD AIMQATVCDE KIGWRNDASH LLVFTTDAKT HIALDGRLAG IVQPNDGQCH 300
301 VGSDNHYSAS TTMDYPSLGL MTEKLSQKNI NLIFAVTENV VNLYQNYSEL IPGTTVGVLS 360
361 MDSSNVLQLI VDAYGKIRSK VELEVRDLPE ELSLSFNATC LNNEVIPGLK SCMGLKIGDT 420
421 VSFSIEAKVR GCPQEKEKSF TIKPVGFKDS LIVQVTFDCD CACQAQAEPN SHRCNNGNGT 480
481 FECGVCRCGP GWLGSQCECS EEDYRPSQQD ECSPREGQPV CSQRGECLCG QCVCHSSDFG 540
541 KITGKYCECD DFSCVRYKGE MCSGHGQCSC GDCLCDSDWT GYYCNCTTRT DTCMSSNGLL 600
601 CSGRGKCECG SCVCIQPGSY GDTCEKCPTC PDACTFKKEC VECKKFDREP YMTENTCNRY 660
661 CRDEIESVKE LKDTGKDAVN CTYKNEDDCV VRFQYYEDSS GKSILYVVEE PECPKGPDIL 720
721 VVLLSVMGAI LLIGLAALLI WKLLITIHDR KEFAKFEEER ARAKWDTANN PLYKEATSTF 780
781 TNITYRGT
```

Fig. 3

```
  1 MRARPRPRPL WVTVLALGAL AGVGVGGPNI CTTRGVSSCQ QCLAVSPMCA WCSDEALPPG  60
 61 SPRCDLKENL LKDNCAPESI EFPVSEARVL EDRPLSDKGS GDSSQVTQVS PQRIALRLRP 120
121 DDSKNFSIQV RQVEDYPVDI YYLMDLSYSM KDDLWSIQNL GTKLATQMRK LTSNLRIGFG 180
181 AFVDKPVSPY MYISPPEALE NPCYDMKTTC LPMFGYKHVL TLTDQVTRFN EEVKKQSVSR 240
241 NRDAPEGGFD AIMQATVCDE KIGWRNDASH LLVFTTDAKT HIALDGRLAG IVQPNDGQCH 300
301 VGSDNHYSAS TTMDYPSLGL MTEKLSQKNI NLIFAVTENV VNLYQNYSEL IPGTTVGVLS 360
361 MDSSNVLQLI VDAYGKIRSK VELEVRDLPE ELSLSFNATC LNNEVIPGLK SCMGLKIGDT 420
421 VSFSIEAKVR GCPQEKEKSF TIKPVGFKDS LIVQVTFDCD CACQAQAEPN SHRCNNGNGT 480
481 FECGVCRCGP GWLGSQCECS EEDYRPSQQD ECSPREGQPV CSQRGECLCG QCVCHSSDFG 540
541 KITGKYCECD DFSCVRYKGE MCSGHGQCSC GDCLCDSDWT GYYCNCTTRT DTCMSSNGLL 600
601 CSGRGKCECG SCVCIQPGSY GDTCEKCPTC PDACTFKKEC VECKKFDREP YMTENTCNRY 660
661 CRDEIESVKE LKDTGKDAVN CTYKNEDDCV VRFQYYEDSS GKSILYVVEE PECPKGPDIL 720
721 VVLLSVMGAI LLIGLAALLI WKLLITIHDR KEFAKFEEER ARAKWDTANN PLYKEATSTF 780
781 TNITYRGT
```

Fig. 4

```
   1 gatggccaga gctttgtgtc cactgcaagc cctctggctt ctggagtggg tgctgctgct
  61 cttgggacct tgtgctgccc ctccagcctg ggccttgaac ctggacccag tgcagctcac
 121 cttctatgca ggccccaatg gcagccagtt tggattttca ctggacttcc acaaggacag
 181 ccatgggaga gtggccatcg tggtgggcgc cccgcggacc ctgggcccca gccaggagga
 241 gacgggcggc gtgttcctgt gccccctggag ggccgagggc ggccagtgcc cctcgctgct
 301 ctttgacctc cgtgatgaga cccgaaatgt aggctcccaa actttacaaa ccttcaaggc
 361 ccgccaagga ctggggggcgt cggtcgtcag ctggagcgac gtcattgtgg cctgcgcccc
 421 ctggcagcac tggaacgtcc tagaaaagac tgaggaggct gagaagacgc ccgtaggtag
 481 ctgctttttg gctcagccag agagcggccg ccgcgccgag tactccccct gtcgcgggaa
 541 caccctgagc cgcatttacg tggaaaatga tttttagctgg gacaagcgtt actgtgaagc
 601 gggcttcagc tccgtggtca ctcaggccgg agagctggtg cttggggctc ctggcggcta
 661 ttatttctta ggtctcctgg cccaggctcc agttgcggat attttctcga gttaccgccc
 721 aggcatcctt ttgtggcacg tgtcctccca gagcctctcc tttgactcca gcaacccaga
 781 gtacttcgac ggctactggg ggtactcggt ggccgtgggc gagttcgacg gggatctcaa
 841 cactacagaa tatgtcgtcg gtgcccccac ttggagctgg accctgggag cggtggaaat
 901 tttggattcc tactaccaga ggctgcatcg gctgcgcgca gagcagatgg cgtcgtattt
 961 tgggcattca gtggctgtca ctgacgtcaa cggggatggg aggcatgatc tgctggtggg
1021 cgctccactg tatatggaga gccgggcaga ccgaaaactg gccgaagtgg ggcgtgtgta
1081 tttgttcctg cagccgcgag gcccccacgc gctgggtgcc cccagcctcc tgctgactgg
1141 cacacagctc tatgggcgat tcggctctgc catcgcaccc ctgggcgacc tcgaccggga
1201 tggctacaat gacattgcag tggctgcccc ctacggggggt cccagtggcc ggggccaagt
1261 gctggtgttc ctgggtcaga gtgaggggct gaggtcacgt ccctcccagg tcctggacag
1321 ccccttcccc acaggctctg cctttggctt ctcccttcga ggtgccgtag acatcgatga
1381 caacggatac ccagacctga tcgtgggagc ttacggggcc aaccaggtgg ctgtgtacag
1441 agctcagcca gtggtgaagg cctctgtcca gctactggtg caagattcac tgaatcctgc
1501 tgtgaagagc tgtgtcctac ctcagaccaa gacacccgtg agctgcttca acatccagat
1561 gtgtgttgga gccactgggc acaacattcc tcagaagcta tccctaaatg ccgagctgca
1621 gctggaccgg cagaagcccc gccagggccg gcgggtgctg ctgctgggct ctcaacaggc
1681 aggcaccacc ctgaacctgg atctgggcgg aaagcacagc cccatctgcc acaccaccat
1741 ggccttcctt cgagatgagg cagacttccg ggacaagctg agccccattg tgctcagcct
1801 caatgtgtcc ctaccgccca cggaggctgg aatggcccct gctgtcgtgc tgcatggaga
1861 cacccatgtg caggagcaga cacgaatcgt cctggactct ggggaagatg acgtatgtgt
1921 gccccagctt cagctcactg ccagcgtgac gggctccccg ctcctagttg gggcagataa
1981 tgtcctggag ctgcagatgg acgcagccaa cgagggcgag ggggcctatg aagcagagct
2041 ggccgtgcac ctgccccagg cgcccacta catgcgggcc ctaagcaatg tcgagggctt
2101 tgagagactc atctgtaatc agaagaagga gaatgagacc agggtggtgc tgtgtgagct
2161 gggcaacccc atgaagaaga cgcccagat aggaatcgcg atgttggtga gcgtggggaa
2221 tctggaagag gctggggagt ctgtgtcctt ccagctgcag atacggagca agaacagcca
2281 gaatccaaac agcaagattg tgctgctgga cgtgccggtc cgggcagagg cccaagtgga
2341 gctgcgaggg aactcctttc cagcctccct ggtggtggca gcagaagaag gtgagaggga
2401 gcagaacagc ttggacagct ggggacccaa agtggagcac acctatgagc tccacaacaa
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2521 ctccgacctg ctctacatcc tggatataca gccccagggg ggccttcagt gcttcccaca
2581 gcctcctgtc aaccctctca aggtggactg ggggctgccc atc cccagcc cctcccccat
2641 tcacccggcc catcacaagc gggatcgcag acagatcttc ctgccagagc ccgagcagcc
2701 ctcgaggctt caggatccag ttctcgtaag ctgcgactcg gcgccctgta ctgtggtgca
2761 gtgtgacctg caggagatgg cgcgcgggca gcgggccatg gtcacggtgc tggccttcct
2821 gtggctgccc agcctctacc agaggcctct ggatcagttt gtgctgcagt cgcacgcatg
2881 gttcaacgtg tcctccctcc cctatgcggt gccccgctc agcctgcccc gaggggaagc
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3181 tccaacaagt tgcctccaag ctttgggttg gagctgttcc attgggtcct cttggtgtcg
3241 tttccctccc aacagagctg ggctaccccc cctcctgctg cctaataaag agactgagcc
3301 ctg
```

Fig. 5

```
   1 gatggccaga gctttgtgtc cactgcaagc cctctggctt ctggagtggg tgctgctgct
  61 cttgggacct tgtgctgccc ctccagcctg ggccttgaac ctggacccag tgcagctcac
 121 cttctatgca ggccccaatg gcagccagtt tggattttca ctggacttcc acaaggacag
 181 ccatgggaga gtggccatcg tggtgggcgc cccgcggacc ctgggcccca gccaggagga
 241 gacgggcggc gtgttcctgt gcccctggag ggccgagggc ggccagtgcc cctcgctgct
 301 ctttgacctc cgtgatgaga cccgaaatgt aggctcccaa actttacaaa ccttcaaggc
 361 ccgccaagga ctggggggcgt cggtcgtcag ctggagcgac gtcattgtgg cctgcgcccc
 421 ctggcagcac tggaacgtcc tagaaaagac tgaggaggct gagaagacgc ccgtaggtag
 481 ctgctttttg gctcagccag agagcggccg ccgcgccgag tactccccct gtcgcgggaa
 541 caccctgagc cgcatttacg tggaaaatga ttttagctgg acaagcgtt actgtgaagc
 601 gggcttcagc tccgtggtca ctcaggccgg agagctggtg cttggggctc ctggcggcta
 661 ttatttctta ggtctcctgg cccaggctcc agttgcggat attttctcga gttaccgccc
 721 aggcatcctt ttgtggcacg tgtcctccca gagcctctcc tttgactcca gcaacccaga
 781 gtacttcgac ggctactggg ggtactcggt ggccgtgggc gagttcgacg gggatctcaa
 841 cactacagaa tatgtcgtcg gtgcccccac ttggagctgg accctgggag cggtggaaat
 901 tttggattcc tactaccaga ggctgcatcg gctgcgcgca gagcagatgg cgtcgtattt
 961 tgggcattca gtggctgtca ctgacgtcaa cggggatggg aggcatgatc tgctggtggg
1021 cgctccactg tatatggaga gccgggcaga ccgaaaactg gccgaagtgg ggcgtgtgta
1081 tttgttcctg cagccgcgag gcccccacgc gctgggtgcc cccagcctcc tgctgactgg
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1201 tggctacaat gacattgcag tggctgcccc ctacgggggt cccagtggcc ggggccaagt
1261 gctggtgttc ctgggtcaga gtgaggggct gaggtcacgt ccctcccagg tcctggacag
1321 ccccttcccc acaggctctg cctttggctt ctcccttcga ggtgccgtag acatcgatga
1381 caacggatac ccagacctga tcgtgggagc ttacgggggcc aaccaggtgg ctgtgtacag
1441 agctcagcca gtggtgaagg cctctgtcca gctactggtg caagattcac tgaatcctgc
1501 tgtgaagagc tgtgtcctac ctcagaccaa gacacccgtg agctgcttca catccagat
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1621 gctggaccgg cagaagcccc gccagggccg gcgggtgctg ctgctgggct ctcaacaggc
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1741 ggccttcctt cgagatgagg cagacttccg ggacaagctg agccccattg tgctcagcct
1801 caatgtgtcc ctaccgccca cggaggctgg aatggcccct gctgtcgtgc tgcatggaga
1861 cacccatgtg caggagcaga cacgaatcgt cctggactct ggggaagatg acgtatgtgt
1921 gccccagctt cagctcactg ccagcgtgac gggctccccg ctcctagttg gggcagataa
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2101 tgagagactc atctgtaatc agaagaagga gaatgagacc agggtggtgc tgtgtgagct
2161 gggcaacccc atgaagaaga acgcccagat aggaatcgcg atgttggtga gcgtggggaa
2221 tctggaagag gctgggggagt ctgtgtcctt ccagctgcag atacggagca agaacagcca
2281 gaatccaaac agcaagattg tgctgctgga cgtgccggtc cgggcagagg cccaagtgga
2341 gctgcgaggg aactcctttc agcctccct ggtggtggca gcagaagaag gtgagaggga
2401 gcagaacagc ttggacagct ggggacccaa agtggagcac acctatgagc tccacaacaa
2461 tggccctggg actgtgaatg gtcttcacct cagcatccac cttccgggac agtcccagcc
2521 ctccgacctg ctctacatcc tggatataca gccccagggg ggccttcagt gcttcccaca
2581 gcctcctgtc aaccctctca aggtggactg ggggctgccc agc cccagcc cctccccat
2641 tcacccggcc catcacaagc gggatcgcag acagatcttc ctgccagagc ccgagcagcc
2701 ctcgaggctt caggatccag ttctcgtaag ctgcgactcg gcgccctgta ctgtggtgca
2761 gtgtgacctg caggagatgg cgcgcgggca gcgggccatg gtcacggtgc tggccttcct
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2881 gttcaacgtg cctccctcc cctatcggt gcccccgctc agcctgcccc gaggggaagc
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3001 gctggtgggt gtgctgggtg cctgctgct gctcaccatc ctggtcctgg ccatgtggaa
3061 ggtcggcttc ttcaagcgga accggccacc cctggaagaa gatgatgaag agggggagtg
3121 atggtgcagc ctacactatt ctagcaggag ggttgggcgt gctacctgca ccgccccttc
3181 tccaacaagt tgcctccaag ctttgggttg gagctgttcc attgggtcct cttggtgtcg
3241 tttccctccc aacagagctg ggctaccccc cctcctgctg cctaataaag agactgagcc
3301 ctg
```

<p style="text-align:center">Fig. 6</p>

MARALCPLQALWLLEWVLLLLGPCAAPPAWALNLDPVQLTFYAGPNGSQFGFSLDFHKDSHGRVAIVVGAPR
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NVLEKTEEAEKTPVGSCFLAQPESGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAGELVLGA
PGGYYFLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFDSSNPEYFDGYWGYSVAVGEFDGDLNTTEYVVGA
PTWSWTLGAVEILDSYYQRLHRLRAEQMASYFGHSVAVTDVNGDGRHDLLVGAPLYMESRADRKLAEVGRVY
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RPSQVLDSPFPTGSAFGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQLLVQDSLNPAVKSC
VLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLGSQQAGTTLNLDLGGKHSPIC
HTTMAFLRDEADFRDKLSPIVLSLNVSLPPTEAGMAPAVVLHGDTHVQEQTRIVLDSGEDDVCVPQLQLTAS
VTGSPLLVGADNVLELQMDAANEGEGAYEAELAVHLPQGAHYMRALSNVEGFERLICNQKKENETRVVLCEL
GNPMKKNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELRGNSFPASLVV
AAEEGEREQNSLDSWGPKVEHTYELHNNGPGTVNGLHLSIHLPGQSQPSDLLYILDIQPQGGLQCFPQPPVN

PLKVDWGLP**I**PSPSPIHPAHHKRDRRQIFLPEPEQPSRLQDPVLVSCDSAPCTVVQCDLQEMARGQRAMV
TVLAFLWLPSLYQRPLDQFVLQSHAWFNVSSLPYAVPPLSLPRGEAQVWTQLLRALEERAIPIWWVLVGVLG
GLLLLTILVLAMWKVGFFKRNRPPLEEDDEEGE

Fig. 7

MARALCPLQALWLLEWVLLLLGPCAAPPAWALNLDPVQLTFYAGPNGSQFGFSLDFHKDSHGRVAIVVGAPR
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NVLEKTEEAEKTPVGSCFLAQPESGRRAEYSPCRGNTLSRIYVENDFSWDKRYCEAGFSSVVTQAGELVLGA
PGGYYFLGLLAQAPVADIFSSYRPGILLWHVSSQSLSFDSSNPEYFDGYWGYSVAVGEFDGDLNTTEYVVGA
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LFLQPRGPHALGAPSLLLTGTQLYGRFGSAIAPLGDLDRDGYNDIAVAAPYGGPSGRGQVLVFLGQSEGLRS
RPSQVLDSPFPTGSAFGFSLRGAVDIDDNGYPDLIVGAYGANQVAVYRAQPVVKASVQLLVQDSLNPAVKSC
VLPQTKTPVSCFNIQMCVGATGHNIPQKLSLNAELQLDRQKPRQGRRVLLLGSQQAGTTLNLDLGGKHSPIC
HTTMAFLRDEADFRDKLSPIVLSLNVSLPPTEAGMAPAVVLHGDTHVQEQTRIVLDSGEDDVCVPQLQLTAS
VTGSPLLVGADNVLELQMDAANEGEGAYEAELAVHLPQGAHYMRALSNVEGFERLICNQKKENETRVVLCEL
GNPMKKNAQIGIAMLVSVGNLEEAGESVSFQLQIRSKNSQNPNSKIVLLDVPVRAEAQVELRGNSFPASLVV
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PLKVDWGLP**S**PSPSPIHPAHHKRDRRQIFLPEPEQPSRLQDPVLVSCDSAPCTVVQCDLQEMARGQRAMV
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GLLLLTILVLAMWKVGFFKRNRPPLEEDDEEGE

Fig. 8